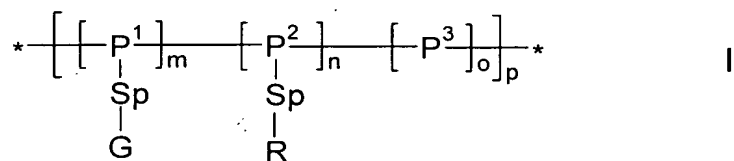


The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-2. (Cancelled)

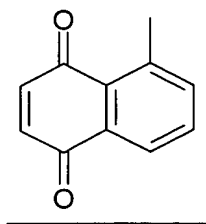
3. (Currently Amended) A polymer dopant comprising at least one electron accepting group that is bound to the polymer to induce or enhance the charge carrier mobility or electrical conductivity of said polymer
~~A polymer according to claim 1, said polymer containing recurring units of formula I~~



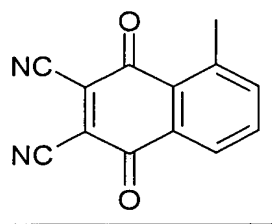
wherein

- P^{1-3} are, independently of each other, a group forming a polymer backbone,
- Sp is, each independently, a spacer group ~~or a single bond~~,
- G is an electron accepting group,
- R is an organic group that modifies the surface energy of the polymer,
- m, n, o are, independently of each other, 0 or 1, wherein in each recurring unit of formula I $m + n + o > 0$, and in at least one of these recurring units m is 1, and
- p is an integer from 1 to 500,000.

wherein the electron accepting group is of formula



IIIa, or



IIIb,

and wherein the spacer group is of formula,

*-Alkyl-CO-NH-

IIa,

*-Alkyl-COO-

IIb,

*-Alkyl-O-

IIc,

*-Alkyl-NH-

IId,

*-Alkyl-

IIe,

*-Alkyl-CH(OH)-CH₂-NH-

IIf, or

*-Alkyl-CH(OH)-CH₂-O-

IIg,

wherein Alkyl denotes an alkyl, fluoroalkyl or oxaalkyl group with 1 to 15 C atoms, and the asterisk denotes the side that is linked to the polymer backbone.

4. (Original) A polymer according to claim 3, wherein p is an integer from 10 to 500,000.

5. (Original) A polymer according to claim 3, wherein R is C₁-C₂₀-fluoroalkyl, C₁-C₁₅-perfluoroalkyl, -(Si(R⁰R⁰⁰)-O)_r-R⁰⁰⁰ or (CH₂CH₂O)_s, wherein R⁰, R⁰⁰ and R⁰⁰⁰ are, independently of each other, H or alkyl with 1 to 12 C-atoms, r is an integer from 1 to 15, and s is an integer from 1 to 6.

6. (Currently Amended) A polymer according to claim 3 2, wherein the polymer backbone comprises maleic anhydride (co-)polymer, maleimide (co-) polymer, polyacrylpolyacrylate, polymethacrylate, poly- α -haloacrylate, poly- α -cyanoacrylate, polyacrylamide, polyacrylonitrile, polymethylene malonate, polymethylene maleimide, polyester, polyamide, polyimide, polyphosphazene, polyurethane, polysiloxane, polyepoxide, polyvinylalcohol, polyvinylether, polyvinylpyrrolidone, polyethyleneimine, polyalkylene, polycarbonate, or polystyrene or copolymers thereof.

7-15. (Cancelled)

16. (Currently Amended) A semiconductor, electrical conductor or photoconductor component or material, an optical, electrooptical or electronic device, a field effect transistor, integrated circuitry, a thin film transistor, a flat panel display, a radio frequency identification tag, a semiconducting component, an organic light emitting diode, a charge transport or electroluminescent component, an electroluminescent display, a backlight of a flat panel display, a liquid crystal display, a photovoltaic, photoconductor or sensor device, an electrode material, a battery, an electrophotographic device or electrophotographic recording, comprising a polymer according to claim 3 4.

17. (Currently Amended) A molecularly dissolved or dispersed polymer blend comprising a polymer according to claim 3 4 and a semiconducting polymer in a semiconductor matrix.

18. (Currently Amended) A ~~[[a]]~~discrete thin film layer comprising a polymer according to claim 3 4 that is in direct contact with a semiconductor material.

19. (Currently Amended) An organic material having charge carrier mobility, comprising one or more organic semiconductor components and one or more polymer dopant components, wherein at least one polymer dopant component is a polymer as defined in claim 3 4.

20. (Original) An organic material according to claim 19, wherein the one or more semiconductor components and the one or more polymer dopant components form a mixture, solution, dispersion or polymer blend.

21. (Original) A semiconductor, electrical conductor, photoconductor, electrooptical or electronic material, component or device, comprising an organic material according to claim 19.

22. (Currently Amended) A semiconductor, electrical conductor, photoconductor, electrooptical or electronic material, component or device, comprising at least one layer of an organic semiconductor material, and at least one layer of a polymer according to claim 3 4 that is in direct contact with said semiconductor layer.

23. (Original) A field effect transistor, a charge transport or electroluminescent component in an organic light emitting diode, a photovoltaic, photoconductor or a sensor device, a battery electrode or part thereof, an electrophotographic or electrophotographic recording device, a charge injection layer, a Schottky diode, a planarising layer, an antistatic film or a conducting substrate or pattern comprising a material, component or device according to claim 21.

24. (Original) An integrated circuit, thin film transistor, radio frequency identification tag, organic light emitting diode, electroluminescent display, backlight, flat panel display, liquid crystal display, battery or sensor, comprising a material, component or device according to claim 21.

25. (Original) A security marking or device, comprising a field effect transistor according to claim 23.

26. (Original) A security marking or device comprising a radio frequency identification tag according to claim 24.

27. (Original) A polymer according to claim 3, wherein R is an organic group that lowers the surface energy of the polymer.

28. (Currently Amended) A method of inducing or enhancing the charge carrier mobility or electrical conductivity of a polymer dopant comprising binding at least one electron accepting group to the polymer according to claim 3.

29-30. (Cancelled)